



PTO/SB/21 (02-04)

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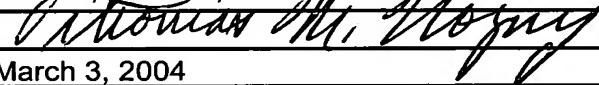
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	Application Number	10/722,858	
	Filing Date	November 26, 2003	
	First Named Inventor	Hector F. DeLuca	
	Art Unit	1621	
	Examiner Name		
Total Number of Pages in This Submission	5+	Attorney Docket Number	1256-00929

ENCLOSURES (Check all that apply)

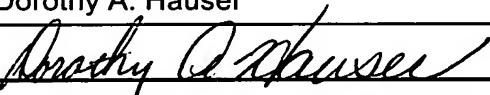
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Thomas M. Wozny, Reg. No. 28,922 Andrus, Seale, Starke & Sawall LLP
Signature	
Date	March 3, 2004

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/722,858
Applicant : Hector F. DeLuca et al
Filed : November 26, 2003
Title : Synthesis of A-Ring Synthon
of 19-Nor-1 α ,25-Dihydroxy-Vitamin D₃ from (D)-Glucose
TC/A.U. : 1621
Examiner :
Docket No. : 1256-00929

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Dorothy A. Hauser March 3, 2004
Dorothy A. Hauser Date

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Sir:

The references listed on the enclosed PTO Form 1449 are being submitted in the above-identified patent application in accordance with 37 CFR 1.97(b)(3).

A copy of each of the listed references is enclosed in compliance with the rules.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3 Attorney Docket Number 1256-00929

U. S. PATENT DOCUMENTS

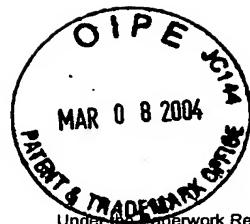
FOREIGN PATENT DOCUMENTS

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/722,858
Sheet	2	of	3	Filing Date	November 26, 2003
				First Named Inventor	Hector F. DeLuca
				Art Unit	1621
				Examiner Name	
				Attorney Docket Number	1256-00929

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Abstract 122:81736; SICINSKI ET AL; Synthesis and Biological Activity of 2-Hydroxy and 2-Alkoxy Analogs of 1Alpha,25-Dihydroxy-19-Norvitamin D3; Journal of Medicinal Chemistry; 1994, 37(22), 3730-8	
		Abstract 115:92747; BAKER ET AL; Design and Synthesis of 6Alpha-Substituted 2Beta,4Alpha-Dihydroxy-1Beta-Phosphoryloxcyclohexanes, Potent Inhibitors of Inositol Monophosphatase; Journal of the Chemical Society, Chemical Communications; 1991, (5), 298-300	
		Abstract 127:359017; KOZIKOWSKI ET AL; Synthesis of 1D-3-Deoxy- and -2,3-Dideoxyphosphatidylinositol; Tetrahedron; 1997, 53(44), 14903-14914	
		Abstract 114:7016; CAMBIE ET AL; A Stereocontrolled Synthesis of Proto-Quercitol; Australian Journal of Chemistry; 1990, 43(9), 1597-602	
		Abstract 115:92747; BAKER ET AL; Design and Synthesis of 6Alpha-Substituted-2Beta-Phosphoryloxcyclohexanes, Potent Inhibitors of Inositol Monophosphatase; Journal of the Chemical Society, Chemical Communications; 1991, (5), 298-300	
		Abstract 130:263914; IWASE ET AL; Bioscience, Biotechnology, and Biochemistry; 1998, 62(12), 2396-2407	
		Abstract 96:163074; YOSHIKAWA ET AL; Heterocycles, 1982, 17 (Spec. Issue), 209-14	
		SICINSKI ET AL; New 1Alpha,25-Dihydroxy-19-Norvitamin D3 Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues; Journal of Medicinal Chemistry; 1998, (41), 4662-4674	
		POSNER ET AL; Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to 1Alpha,2Alpha,25-Trihydroxyvitamin D3; Journal of Organic Chemistry; 1991, (56), 4339-4341	
		PERLMAN ET AL; 1Alpha,25-Dihydroxy-19-Nor-Vitamin D3, A Novel Vitamin D-Related Compound with Potential Therapeutic Activity; Tetrahedron Letters, 1990, (31), 13, 1823-1824	

Examiner Signature	Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/722,858
				Filing Date	November 26, 2003
				First Named Inventor	Hector F. DeLuca
				Art Unit	1621
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	1256-00929

NON PATENT LITERATURE DOCUMENTS

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